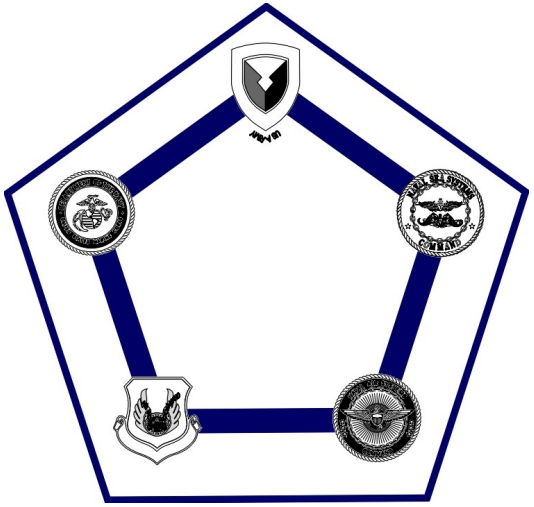


INTERSERVICE MATERIAL ACCOUNTING & CONTROL SYSTEM (IMACS)

Herman L. Karhoff

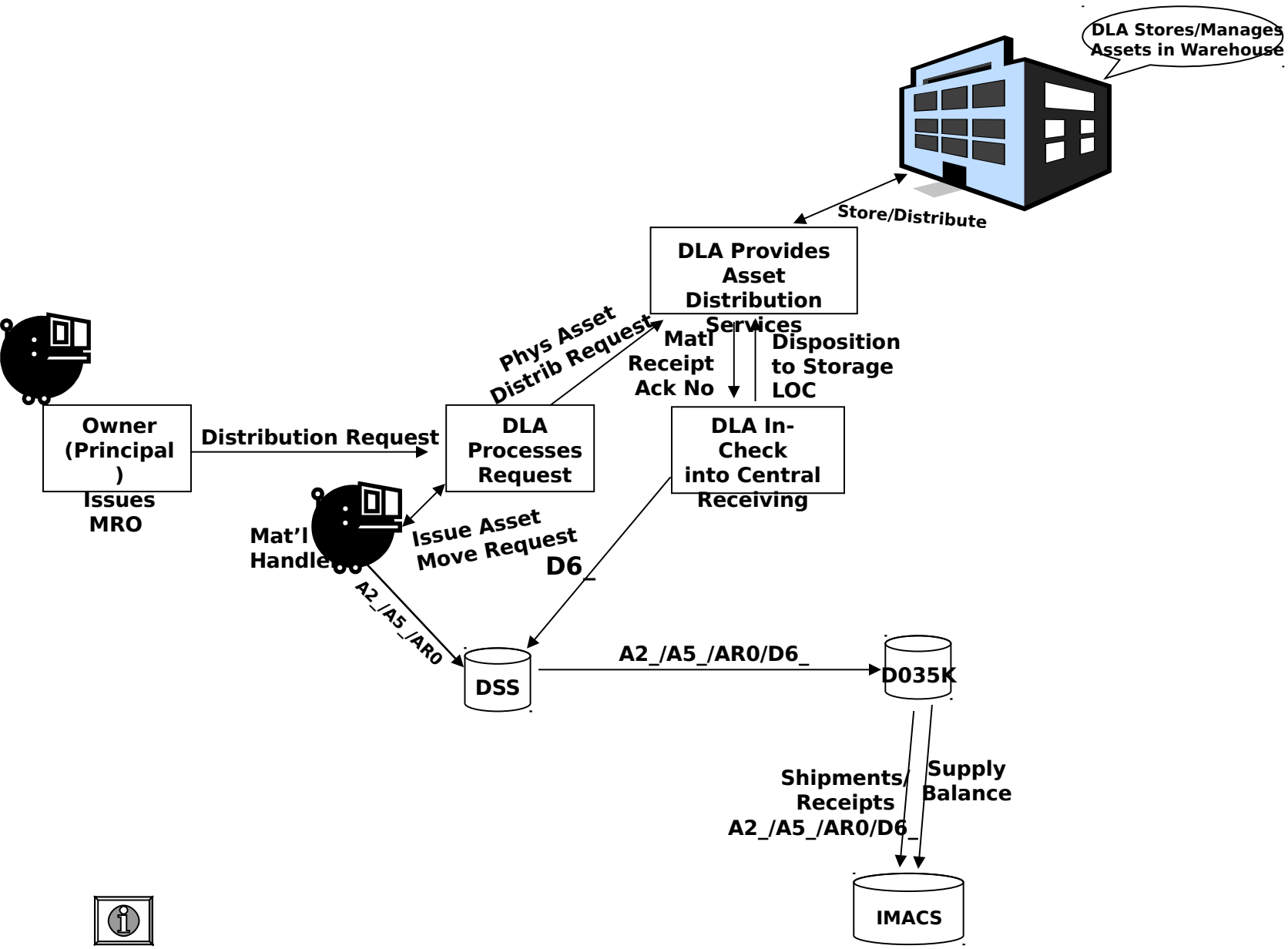
The MITRE Corporation

12 Sep 00

AF Asset Movement and Tracking Scenarios

1. **Principal issues MRO to DLA for distribution of the reparable asset to storage at the AF depot**
2. **Production Controller/Scheduler issues request to DLA to move the reparable asset from storage to the depot for repair**
3. **Production Controller/Scheduler issues request to DLA to move the serviceable asset from the depot to the warehouse for storage**
4. **DMISA Clerk issues a request to DLA to package and return the asset to the owners desired destination**

AF Asset Movement and Tracking Activities/Processes [1]



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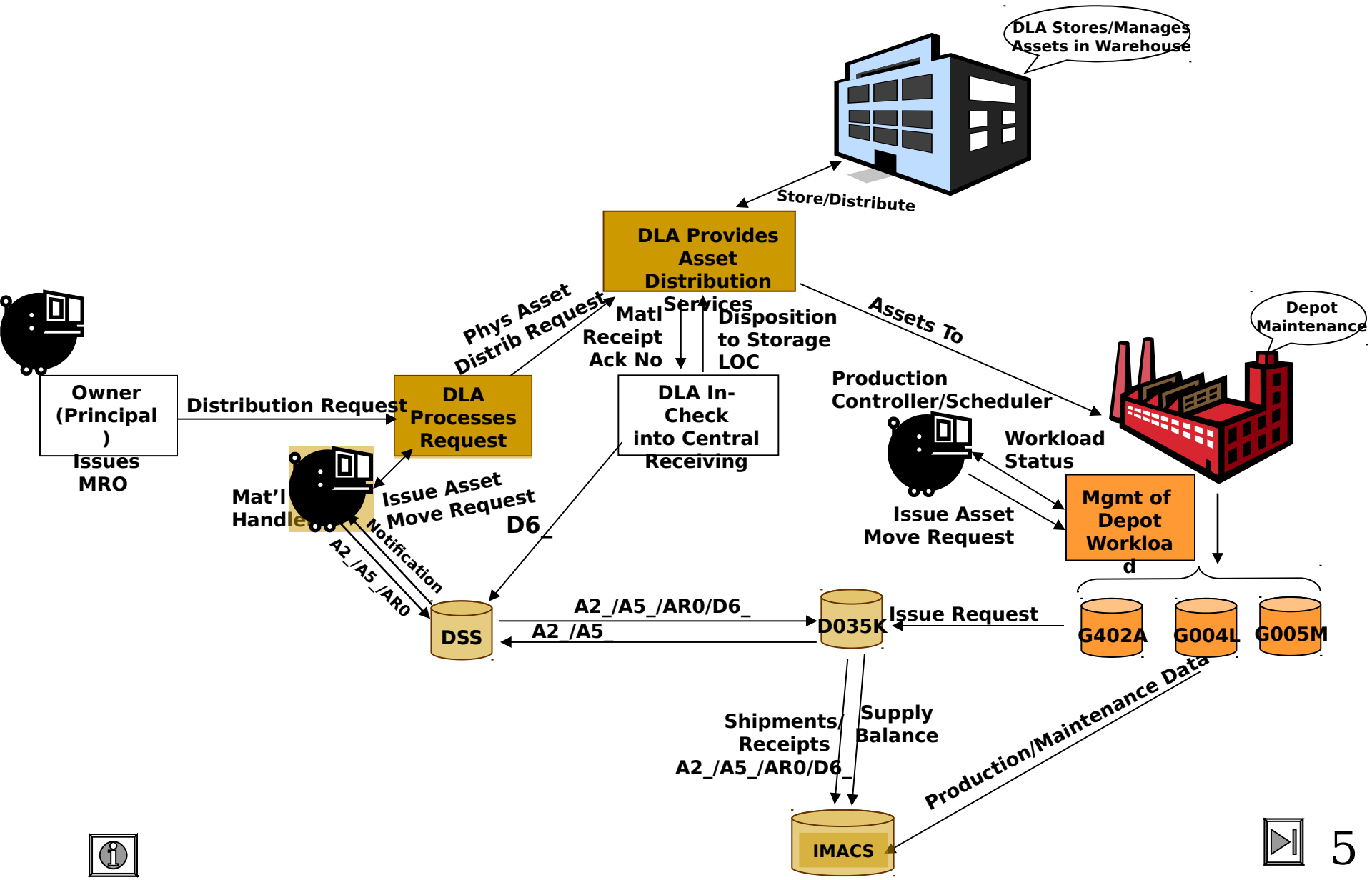
AF Asset Movement and Tracking Activities/Processes [2]



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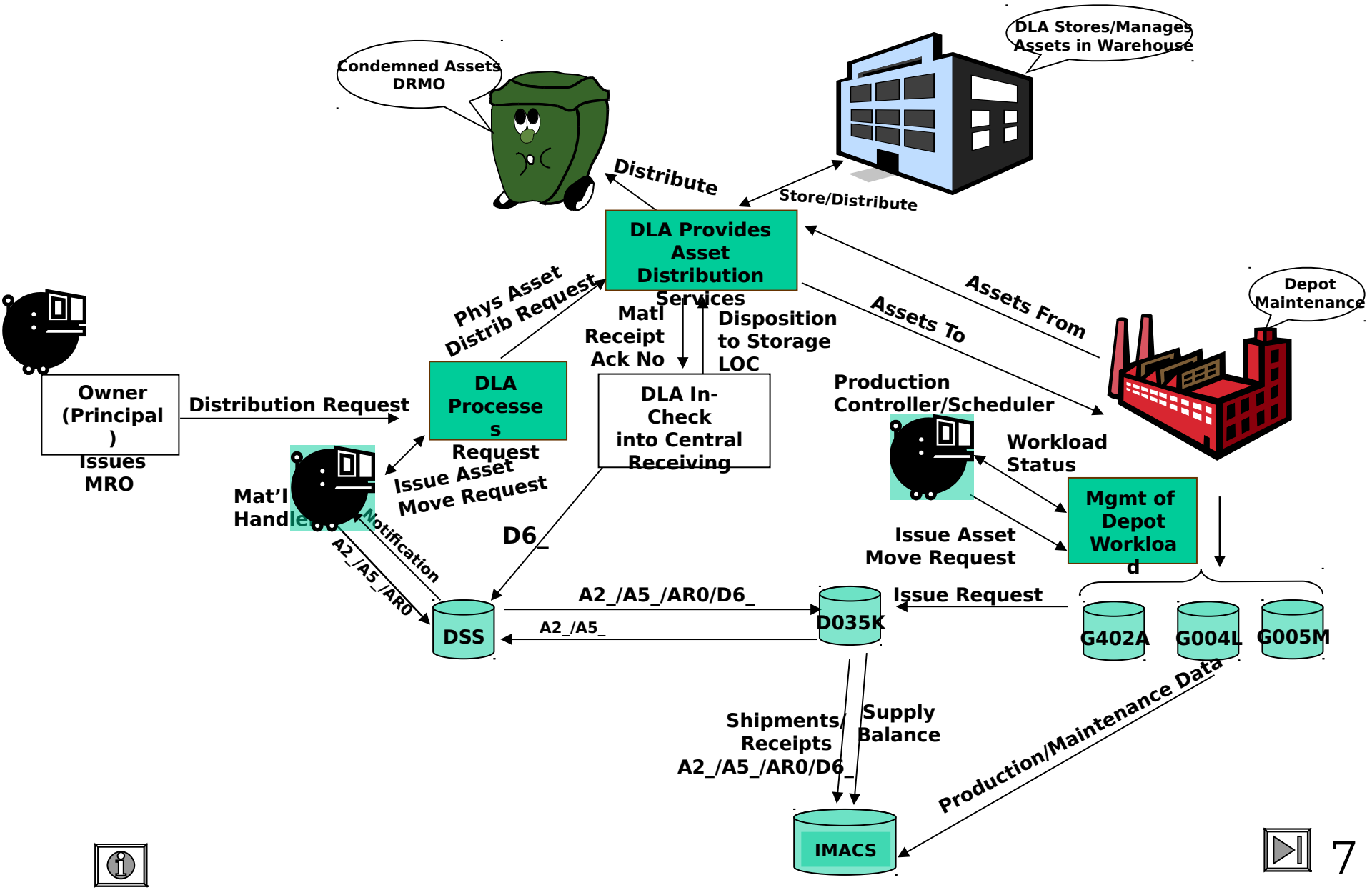
AF Asset Movement and Tracking Activities/Processes [3]



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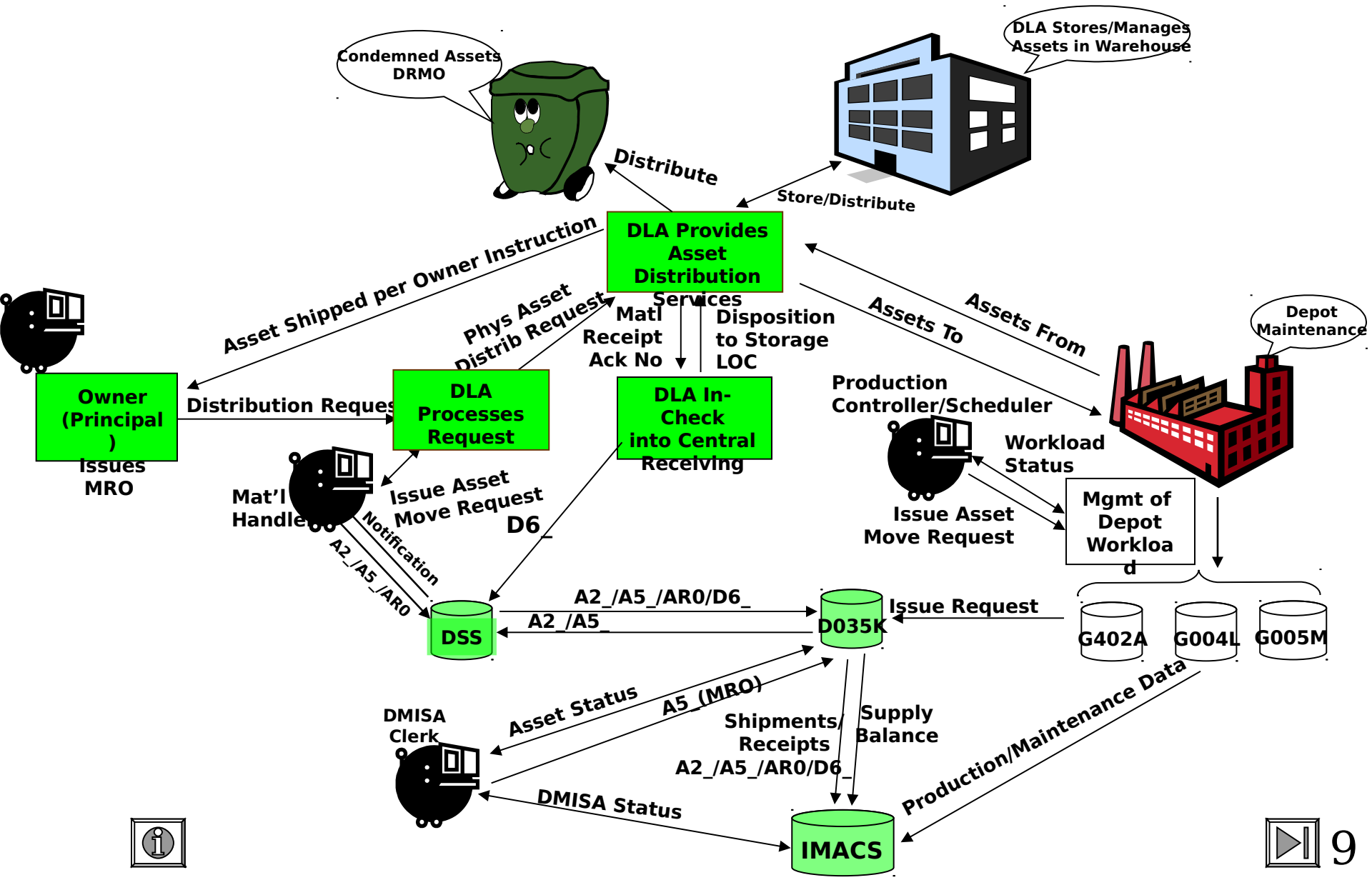
AF Asset Movement and Tracking Activities/Processes [4]



Data System Glossary

D035K **- WHOLESALE AND RETAIL RECEIVING AND SHIPPING**

Provides a Uniform Management Item capability for worldwide property accounting, inventory control, and distribution / redistribution of material at the wholesale level. Requisitions and related transactions are processed in support of AF Program, other Services / Agencies, contractors and depot supply. Document control is maintained to ensure that the customer requisition is fully satisfied. Balances are adjusted as a result of redistribution orders, material release orders, capitalization / decapitalization actions and logistics transfer actions. Reports of Excess are processed on consumable, equipment and recoverable items. The IMWRP System provides cataloging and management data for all stock items managed, used or stored at the Air Logistics Centers.

Data System Glossary

DSS - Distribution Standard System

DSS provides DoD and DLA with a standard supply distribution system that receives, stores and issues material and provides military activities with responsive and efficient distribution services. In addition, DSS provides DLA management with necessary distribution metrics for analysis and planning. Development and deployment of DSS was directed by DoD Defense Management Review Decisions (DMRD) 902 and 902A.

Data System Glossary

G402A - EXCHANGEABLES PRODUCTION SYSTEM

EPS is used throughout the Command, and consists of the following:

A. The exchangeables scheduling Module provides access to workload requirements data, end item availability data, job order numbers data, production count data, and end item production data. With access to this current data, schedulers can keep shops workloaded with the most important end items that are supportable.

B. The material support module provides on-line information used to manage Depot Maintenance Supply Centers (DMSC) and Benchstocks. Data reflects component inventory quantities and location, material support requirements, back order information issue history, interchangeable / substitute stock numbers, benchstock locations, a component part number / stock number cross-reference, rob back actions, and DMSC Kitting, AWP procedures, DMSC / Paper Integrate procedures, and non-NSN Requisition 1348-6 procedures.

C. The D035K transaction processing module provides the capability to process all transactions previously processed via

Data System Glossary

IMACS **- INTERSERVICE MATERIAL ACCOUNTING & CONTROL SYSTEM**

Provides an automated capability to track interservice assets from the time of receipt at a depot maintenance repair facility to the time of shipment. Provides the Services requiring the repair (Principal) immediate access to interservice asset status.

Data System Glossary

G004L - JOB ORDER PRODUCTION MASTER SYSTEM

Provides management information to the ALC Directorates of maintenance on production operations under a standard management control system and aggregation of data for future applications, such as planning, requirements computation and resource control.

G005M - Depot Maintenance Material Support System

Used to store, retrieve, update material standard data. The system objective is to increase the effectiveness of the material standard, thereby reducing material costs while increasing the productivity of the depot maintenance work centers.

Scenario 1 - Steps

1. Principal issues Material Release/Redistribution Order
2. DLA processes the Principal's order/request
3. Material Handler updates DSS and issues asset move req
4. DLA packages and moves the reparable asset(s) to the A
   Central Receiving point
5. DLA at AF depot acknowledges receipt of reparable asset
6. DLA determines the warehouse location in which the repa
   asset is to be stored
7. DLA physically moves reparable asset into warehouse
8. The following system updates occur:
   DSS updates D035K
   D035K updates G402A and IMACS

Scenario 2 - Steps

1. Production Controller/Scheduler determines if there are any reparable assets in the warehouse available for induction - answer is YES
2. They issue a request to move assets from warehouse to
   the depot via G402A which triggers D035K to issue MRO to DSS.
3. The DLA Material Handler is notified to process a reparable asset move request (DSS is updated)
4. DLA physically moves reparable asset into the depot for repair
5. The following system updates occur:
   DSS updates D035K
   D035K updates G402A, G004L, and IMACS
   G004L updates IMACS (assumes item inducted upon receipt into the depot)

Scenario 3 – Steps

1. Production Controller/Scheduler is notified that asset has
   either been repaired (now serviceable) or condemned
2. Production Controller/Scheduler issues a request to G402A
   for asset distribution/movement to the warehouse or DRMO
3. G402A feeds a request to D035K which in-turn feeds an MRO
   to DSS
4. DSS notifies the Material Handler of a request to remove
   the serviceable or condemned asset from the depot to the
   warehouse
5. The DLA Material Handler is notified to process a reparable asset move request (DSS is updated)

Scenario 4 - Steps

1. DMISA Clerk determines there are DMISA serviceable ass
   available to be returned to the destination specified by t
   asset owner in Exhibit XIII - Part 2/3
2. DMISA Clerk issues MRO to D035K
3. D035K feeds MRO to DSS which notifies the Material Han
4. Material Handler processes MRO request
5. DLA packages and physically moves the serviceable asse
   the customer
6. Owner Service acknowledges receipt of serviceable asse
7. The following system updates occur:
   DSS updates D035K with shipment conformation
   D035K updates IMACS

AEF and AF Vision 2010

Information Superiority

- **The DoD end state vision is for an integrated voice, video, and data environments, that delivers the right information to the right place, at the right time.**
- **Technology advancements**
  - Operating Systems
  - Processors
  - Directory Services
  - Communications (Network Centric Warfare)/Web
- **Business Process Re-engineering, need to rethink our approaches to how we share and exchange information**